

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0820/0n031US0

First Inventor Hansjurg Gysin

Title HIGH-SPEED ROTOR

Express Mail Label No. \_\_\_\_\_

17354 U.S. PRO  
10620046

07/25/03

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification. [Total Pages 13]

(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 1]

5. Oath or Declaration [Total Sheets 2]

- a.  Executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	07278	or <input checked="" type="checkbox"/> Correspondence address below	
Name	DARBY & DARBY P.C. Joseph B. Lerch		
Address	P.O. Box 5257		
City	New York	State NY	Zip Code 10150-5257
Country	US	Telephone (212) 527-7700	Fax (212) 753-6237
Name (Print/Type)	Joseph B. Lerch	Registration No. (Attorney/Agent)	26,936
Signature	<i>Joseph B. Lerch</i>		Date July 25, 2003

EV340066935-US

7/25/03

14042 U.S. PTO  
07/25/03

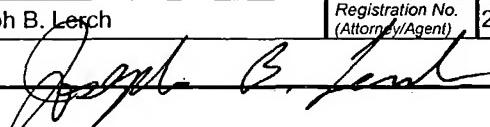
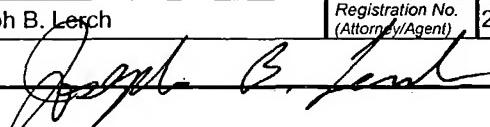
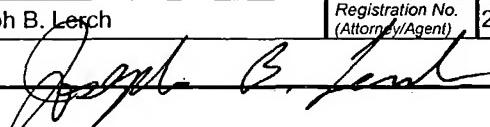
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 844.00)

Complete if Known	
Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Hansjürg Gysin
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	0820/0n031US0

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)																																																																																																																																																																																																																																	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account Deposit Account Number 04-0100 Deposit Account Name Darby & Darby P.C.					<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge – late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge – late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,300</td> <td>2453</td> <td>650</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,300</td> <td>2501</td> <td>650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>470</td> <td>2502</td> <td>235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>630</td> <td>2503</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(a)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>40.00</td> </tr> <tr> <td>1809</td> <td>750</td> <td>2809</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>750</td> <td>2810</td> <td>375</td> <td>For each additional invention to be examined (37CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>750</td> <td>2801</td> <td>375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="6">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="5">SUBTOTAL (2) (\$ 54.00)</td> <td>*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$ 40.00)</td> </tr> <tr> <td colspan="6">**or number previously paid, if greater; For Reissues, see above</td> <td></td> </tr> <tr> <td colspan="6">SUBMITTED BY</td> <td colspan="2">Complete (if applicable)</td> </tr> <tr> <td>Name (Print/Type)</td> <td colspan="2">Joseph B. Lerch</td> <td>Registration No. (Attorney/Agent)</td> <td>26,936</td> <td>Telephone</td> <td>(212) 527-7744</td> </tr> <tr> <td>Signature</td> <td colspan="2"></td> <td>Date</td> <td colspan="3">July 25, 2003</td> </tr> </tbody> </table>					Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge – late filing fee or oath		1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive – unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	630	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(a)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))		1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))		1801	750	2801	375	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify) _____							SUBTOTAL (2) (\$ 54.00)					*Reduced by Basic Filing Fee Paid	SUBTOTAL (3) (\$ 40.00)	**or number previously paid, if greater; For Reissues, see above							SUBMITTED BY						Complete (if applicable)		Name (Print/Type)	Joseph B. Lerch		Registration No. (Attorney/Agent)	26,936	Telephone	(212) 527-7744	Signature			Date	July 25, 2003		
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																																																	
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																																																			
1051	130	2051	65	Surcharge – late filing fee or oath																																																																																																																																																																																																																																		
1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet																																																																																																																																																																																																																																		
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																																		
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																																																		
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																		
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																		
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																																		
1252	410	2252	205	Extension for reply within second month																																																																																																																																																																																																																																		
1253	930	2253	465	Extension for reply within third month																																																																																																																																																																																																																																		
1254	1,450	2254	725	Extension for reply within fourth month																																																																																																																																																																																																																																		
1255	1,970	2255	985	Extension for reply within fifth month																																																																																																																																																																																																																																		
1401	320	2401	160	Notice of Appeal																																																																																																																																																																																																																																		
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																																																																																																		
1403	280	2403	140	Request for oral hearing																																																																																																																																																																																																																																		
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																		
1452	110	2452	55	Petition to revive – unavoidable																																																																																																																																																																																																																																		
1453	1,300	2453	650	Petition to revive - unintentional																																																																																																																																																																																																																																		
1501	1,300	2501	650	Utility issue fee (or reissue)																																																																																																																																																																																																																																		
1502	470	2502	235	Design issue fee																																																																																																																																																																																																																																		
1503	630	2503	315	Plant issue fee																																																																																																																																																																																																																																		
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																		
1807	50	1807	50	Processing fee under 37 CFR 1.17(a)																																																																																																																																																																																																																																		
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																		
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																																																																	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																		
1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))																																																																																																																																																																																																																																		
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																																																																																																		
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																		
Other fee (specify) _____																																																																																																																																																																																																																																						
SUBTOTAL (2) (\$ 54.00)					*Reduced by Basic Filing Fee Paid	SUBTOTAL (3) (\$ 40.00)																																																																																																																																																																																																																																
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																																																						
SUBMITTED BY						Complete (if applicable)																																																																																																																																																																																																																																
Name (Print/Type)	Joseph B. Lerch		Registration No. (Attorney/Agent)	26,936	Telephone	(212) 527-7744																																																																																																																																																																																																																																
Signature			Date	July 25, 2003																																																																																																																																																																																																																																		

Application No. (if known):

Attorney Docket No.: 0820/0N031US0

## Certificate of Express Mailing Under 37 CFR 1.10

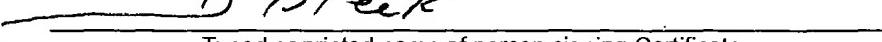
I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV340066935-US in an envelope addressed to:

**EV340066935-US**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on July 25, 2003  
Date

  
Signature

  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter (1 pg.)  
Fee Transmittal (1 pg.)  
Declaration/Power of Attorney (3 pg)  
Form PTO 1595 w/Assignment (2 pg)  
Preliminary Amendment (8pg)  
Specification (9 pg.)  
11 Claims (3 pg)  
Abstract (1 pg)  
1 Sheet of formal drawings (Figs. 1-4)  
Application Data Sheet (2 pg.)  
Check No. **Z124** for \$844.00